ENPUH-302

SuperSpeed USB 3.0 ExpressCard

User’s Manual

ABOUT THIS MANUAL

This manual is designed for use with the SuperSpeed USB 3.0 ExpressCard. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference.
- Keep this equipment away from humidity.

If any of the following situations arises, get the equipment checked by a service technician:

- The equipment has been exposed to moisture.
- The equipment has been dropped and damaged.
- The equipment has obvious sign of breakage.
- The equipment has not been working well or you cannot get it to work according to the User's Manual.

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Table of Contents

1. INTRODUCTION 3

FEATURES 3

PACKAGE CONTENTS 3

SYSTEM REQUIREMENTS 3

2. INSTALLATION 4

WINDOW 7 / XP / WINDOWS VISTA 4

3. HARDWARE INSTALLATION 9

4. INSTALLATION VERIFICATION 11

WINDOW XP 11

WINDOW VISTA/ WINDOWS 7 12

5. SPECIFICATION 13

6. REGULATORY COMPLIANCE 13

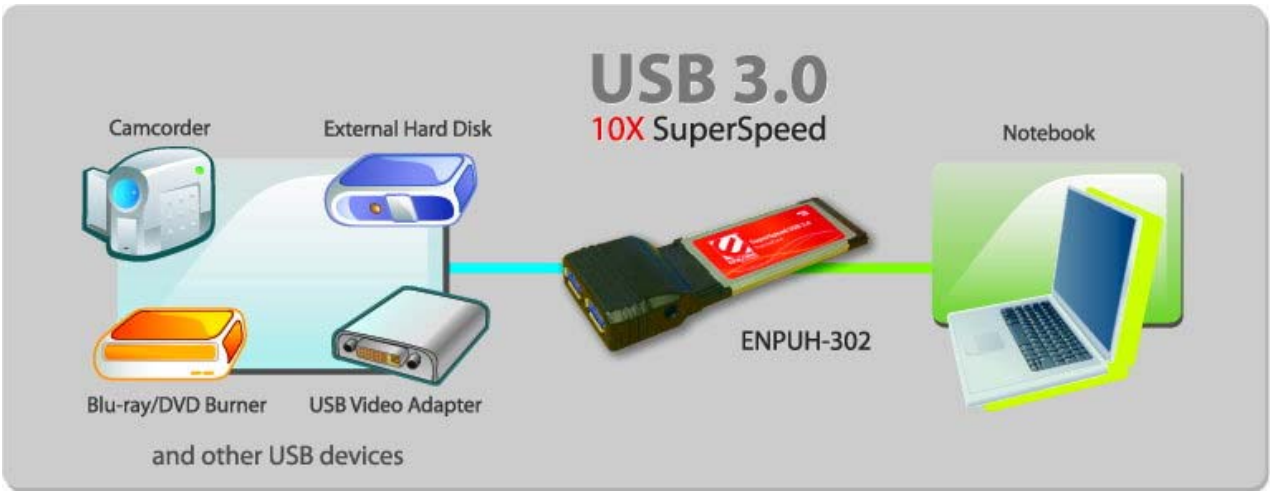
FCC CONDITIONS 13

CE 13

1. Introduction

Encore Electronics' SuperSpeed USB 3.0 ExpressCard adds two USB 3.0 ports to your notebook computer. The data transfer rate is at an amazing speed up to 5 Gbps — 10 times faster than USB 2.0 (480 Mbps). Now, you can connect to the latest USB devices, such as external hard drives, Blu-ray burners, external video adapters and camcorders.

The SuperSpeed USB 3.0 ExpressCard is ideal for professionals who need high-performance storage devices and people who enjoy watching HD videos. ENPUH-320 has advanced power management feature. That will extend the notebook running time. ENPUH-320 also is backward compatible with USB 2.0 and USB 1.1.



Features

- Up to 10X Faster than USB 2.0
- Less File Transfer Time
- Backward Compatibility
- More Efficient Power Usage
- Better Device Stability with Increased Power Output

Package Contents

- SuperSpeed USB 3.0 2 ports ExpressCard x 1
- User Manual x 1
- Driver CD x 1

System Requirements

- An available ExpressCard slot
- Windows® XP/Vista/7 (32/64 bits)

Notice: Mac systems do not support this USB 3.0 2 port ExpressCard.

2. Installation

You will need to install the driver for your SuperSpeed USB 3.0 ExpressCard to your laptop first. Please follow the procedures as below.

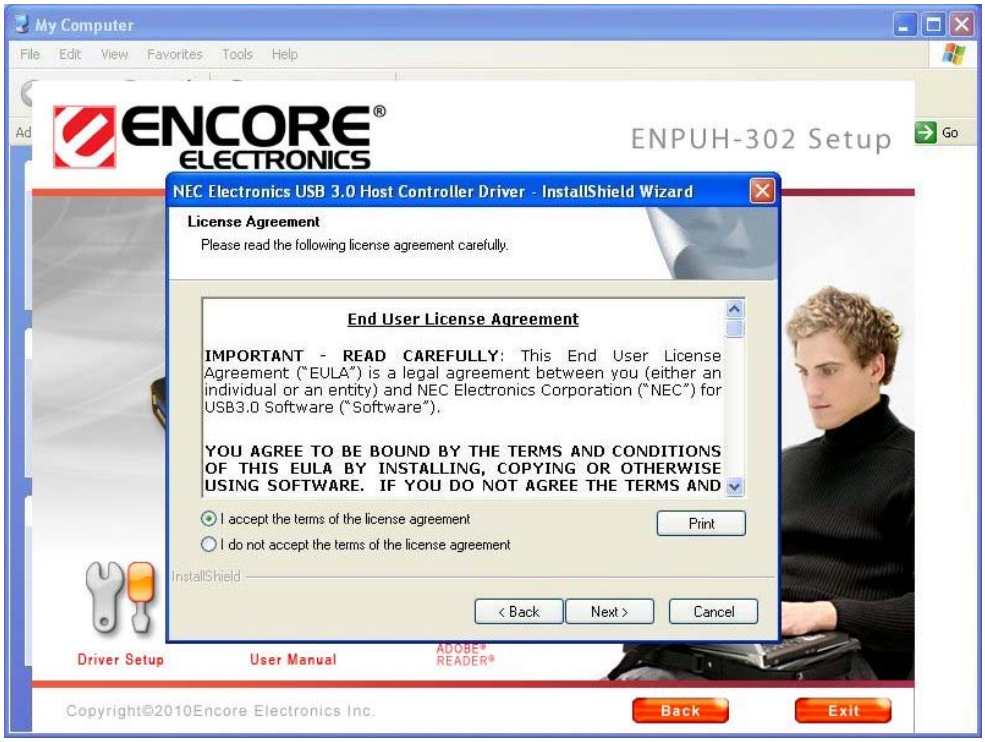
Window 7 / XP / Windows Vista

1. Insert the provided Driver into CD-ROM. The following screen will show up and please choose the correct product model, **ENPUH-302.**

2. Click **"Driver Setup"** to install driver, then press **Next** to continue.

My Computer
File Edit View Favorites Tools Help
ENCORE ELECTRONICS
ENPUH-302 Setup
Go
NEC Electronics USB 3.0 Host Controller Driver - InstallShield Wizard
Welcome to the InstallShield Wizard for NEC Electronics USB 3.0 Host Controller Driver
The InstallShield Wizard will install NEC Electronics USB 3.0 Host Controller Driver on your computer. To continue, click Next.
< Back
Next >
Cancel
Driver Setup
User Manual
ADOBE READER
Copyright©2010Encore Electronics Inc.
Back
Exit

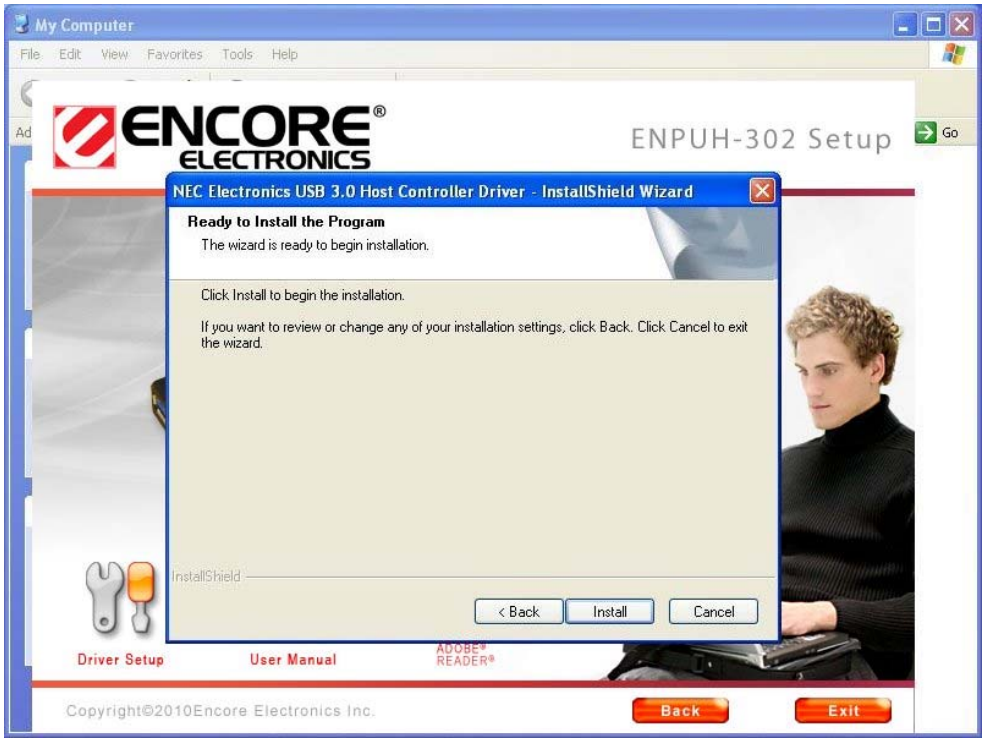
3. After reading **End-User License Agreement**, please select "**I accept the terms in the License Agreement**" and click **Next**.


My Computer
File Edit View Favorites Tools Help
ENCORE ELECTRONICS
ENPUH-302 Setup
Go
NEC Electronics USB 3.0 Host Controller Driver - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
End User License Agreement
IMPORTANT - READ CAREFULLY: This End User License Agreement ("EULA") is a legal agreement between you (either an individual or an entity) and NEC Electronics Corporation ("NEC") for USB3.0 Software ("Software").
YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THIS EULA BY INSTALLING, COPYING OR OTHERWISE USING SOFTWARE. IF YOU DO NOT AGREE THE TERMS AND
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel
Driver Setup
User Manual
ADOBE READER
Copyright©2010Encore Electronics Inc.
Back
Exit

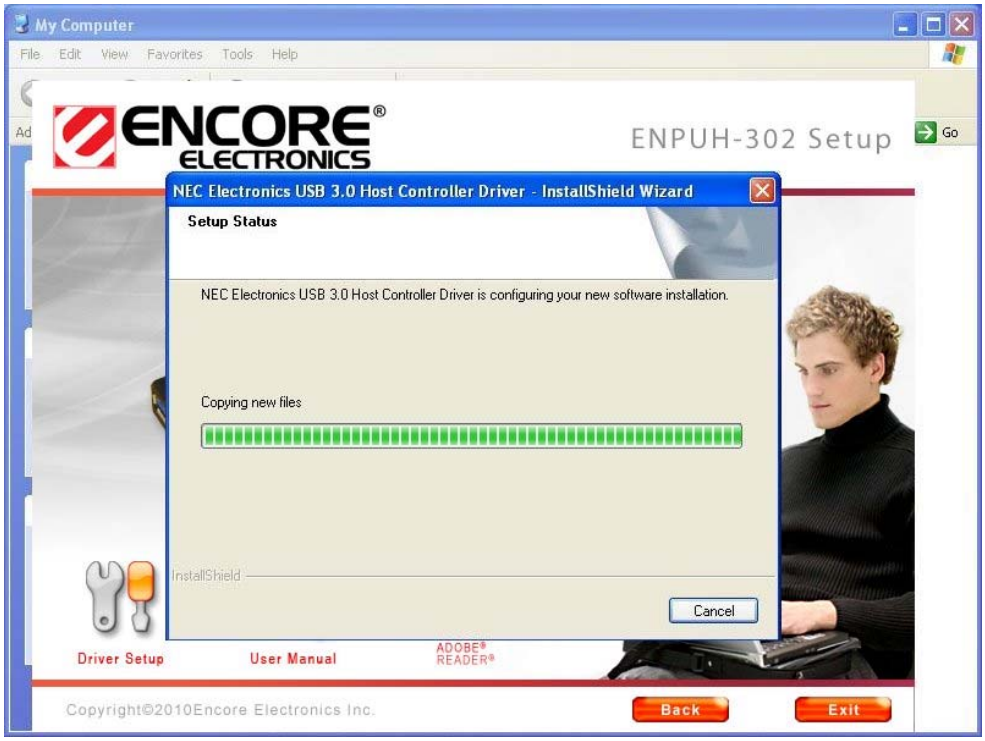
4. Please click **Browse** to choose the **Destination Folder**. After that, please click **Next**.

My Computer
File Edit View Favorites Tools Help
ENCORE ELECTRONICS
ENPUH-302 Setup
Go
NEC Electronics USB 3.0 Host Controller Driver - InstallShield Wizard
Choose Destination Location
Select folder where setup will install files.
Setup will install NEC Electronics USB 3.0 Host Controller Driver in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\...\USB 3.0 Host Controller Driver\
Browse...
InstallShield
< Back
Next >
Cancel
Driver Setup
User Manual
ADOBE READER
Copyright©2010Encore Electronics Inc.
Back
Exit

5. Click **Install** to install NEC Electronics USB 3.0 Host Controller Driver.



6. It will take a while to install the Driver.



Notice: The Software Installation may pop-up during installation. Please click Continue Anyway to complete the installation.

7. Please click Finish to complete the NEC Electronics USB 3.0 Host Controller Driver.

*Actual strings depend on your operation system. These screen shots are from Windows XP and might vary slightly for each operation system.

Note: Please refer to next chapter to get more information about installing PCI Express Card.

3. Hardware Installation

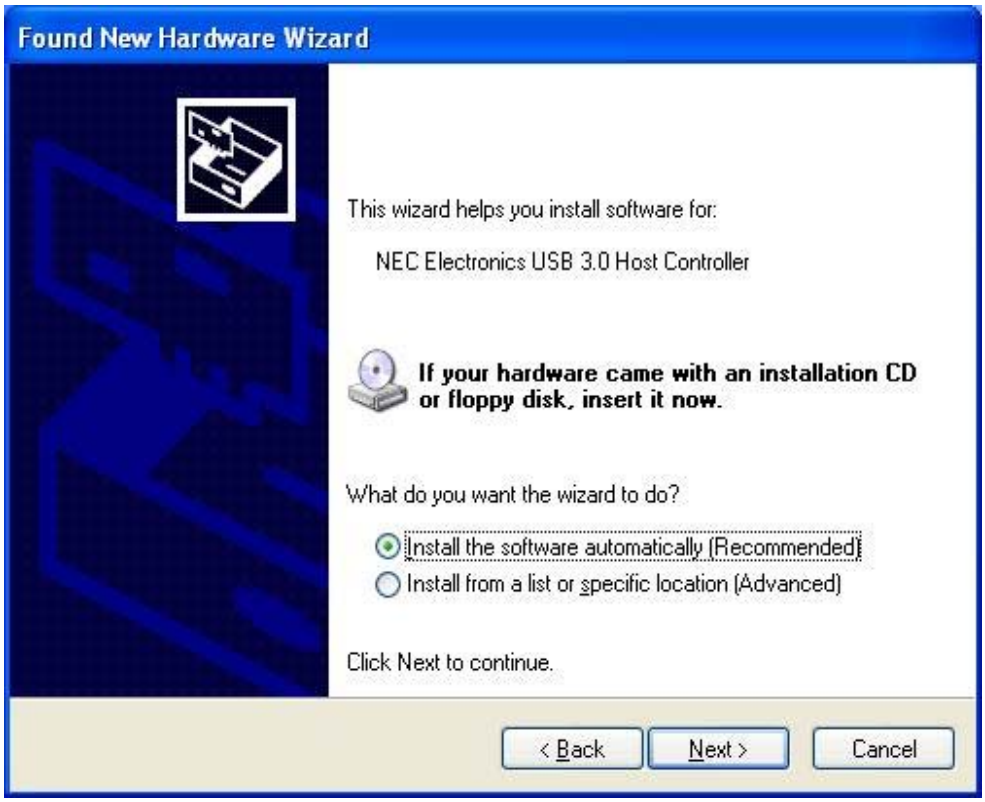
Please find the ExpressCard slot of your system, and insert the SuperSpeed USB 3.0 ExpressCard into the slot. The SuperSpeed USB 3.0 ExpressCard supports hot-swapping, so you don’t need to turn off your system before the installation.

For Window XP

1. When inserting SuperSpeed USB 3.0 ExpressCard into the slot, the following screen will show up. Please choose “Yes, this time only” and click Next.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

2. Please choose “**Install the software automatically**” and click Next.


Found New Hardware Wizard
This wizard helps you install software for:
NEC Electronics USB 3.0 Host Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

Notice: The sign of Hardware Installation may show up, please click Continue Anyway.

3. Please click Finish to complete the Found New Hardware Wizard.

Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
NEC Electronics USB 3.0 Host Controller
Click Finish to close the wizard.
< Back
Finish
Cancel

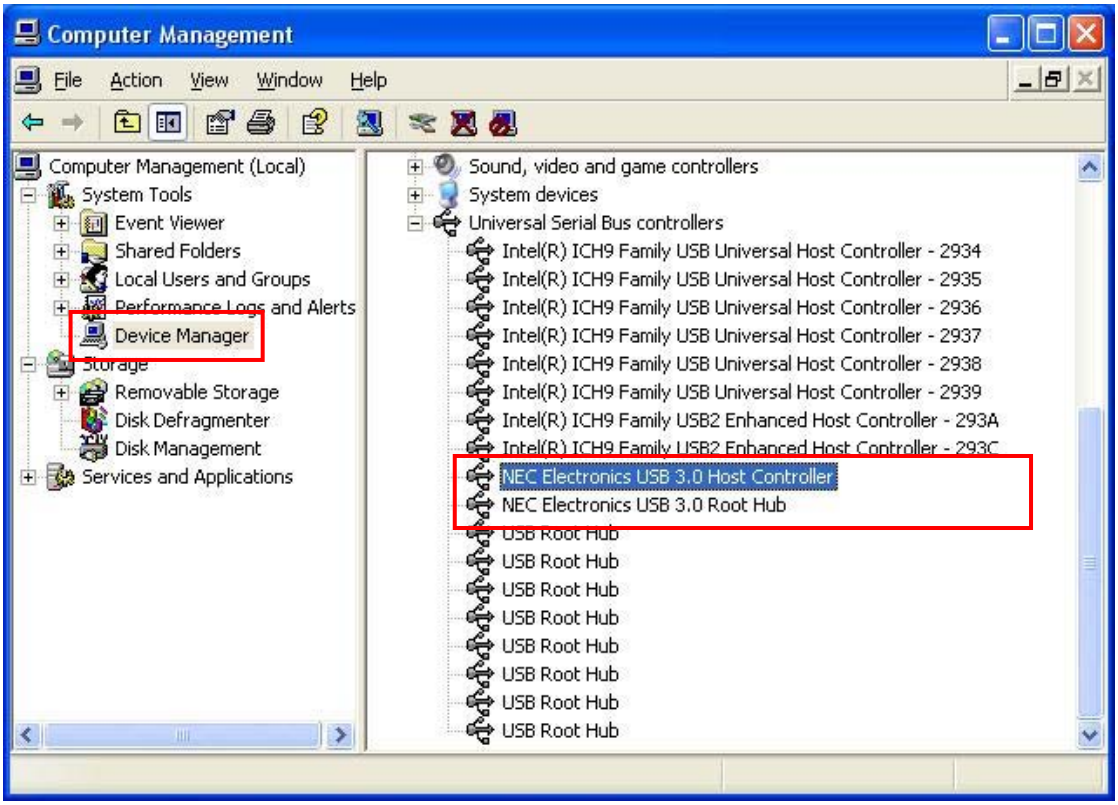
*Actual strings depend on your operation system. These screen shots are from Windows XP and might vary slightly for each operation system.

Notice: The Installation of Found New Hardware Wizard will show up twice, please follow the above steps to complete the installation.

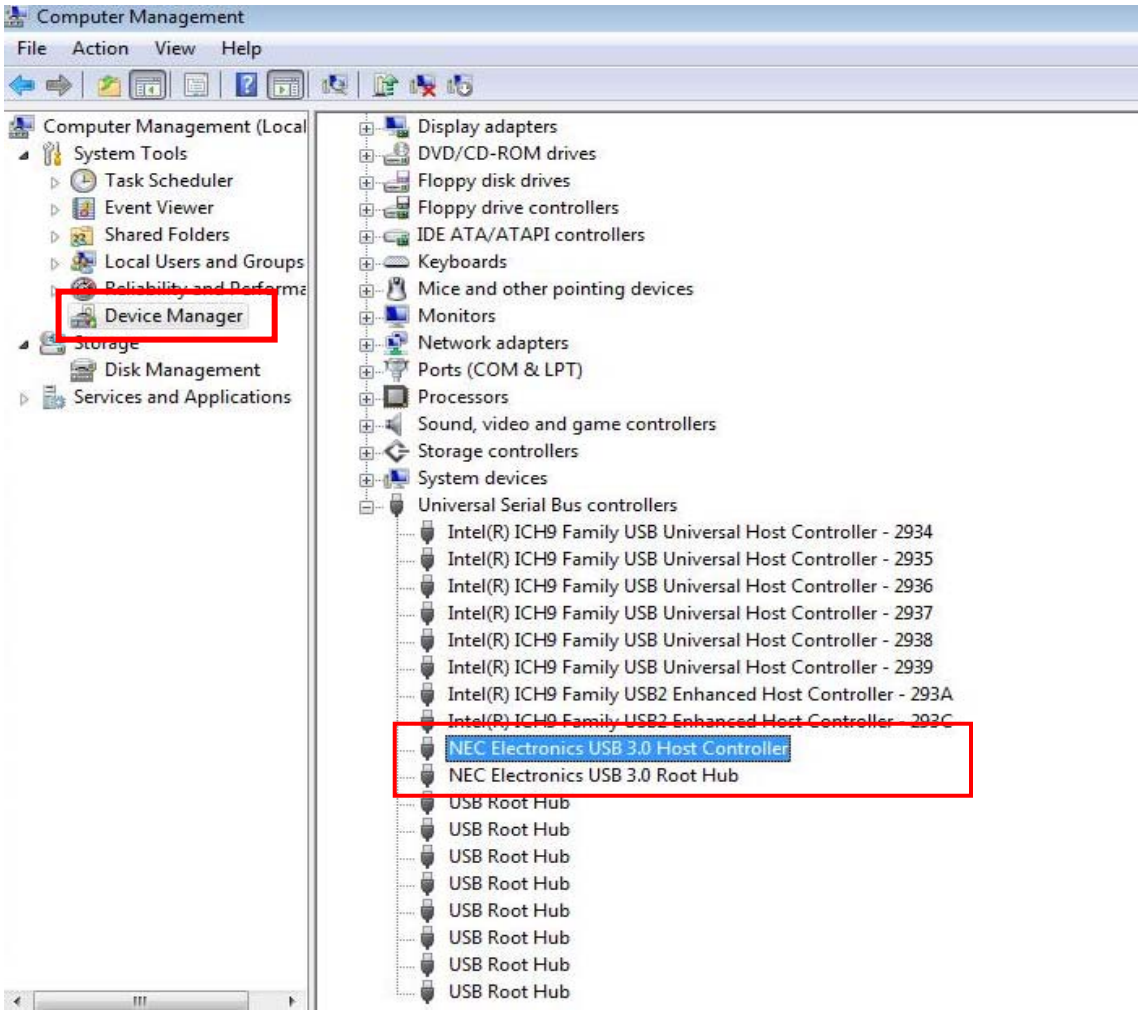
4. Installation Verification

After finishing driver installation and plugging this ExpressCard to laptop, the system will detect the device. You can go to Device Manager to verify the entire installation.

Window XP


Computer Management
File Action View Window Help
Computer Management (Local)
System Tools
Event Viewer
Shared Folders
Local Users and Groups
Performance Logs and Alerts
Device Manager
Storage
Removable Storage
Disk Defragmenter
Disk Management
Services and Applications
Sound, video and game controllers
System devices
Universal Serial Bus controllers
Intel(R) ICH9 Family USB Universal Host Controller - 2934
Intel(R) ICH9 Family USB Universal Host Controller - 2935
Intel(R) ICH9 Family USB Universal Host Controller - 2936
Intel(R) ICH9 Family USB Universal Host Controller - 2937
Intel(R) ICH9 Family USB Universal Host Controller - 2938
Intel(R) ICH9 Family USB Universal Host Controller - 2939
Intel(R) ICH9 Family USB2 Enhanced Host Controller - 293A
Intel(R) ICH9 Family USB2 Enhanced Host Controller - 293C
NEC Electronics USB 3.0 Host Controller
NEC Electronics USB 3.0 Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub

Window Vista/ Windows 7



5. Specification

Description	SuperSpeed USB 3.0 ExpressCard
Standard	USB 3.0, backward compatible with USB 2.0 / 1.x
USB Port	USB 3.0 SuperSpeed Downstream port x 2
Data transfer rate	USB 3.0: up to 5 Gbps USB 2.0: up to 480 Mbps USB 1.x: up to 12 Mbps
Bus Interface	ExpressCard 1.0
OS Supported	Windows® XP/Vista/7 (32/64 bits)
Power Output	5V / 300mA or 5V / 900mA with power adapter (not included)

6. Regulatory Compliance

FCC Conditions

This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

I. This device may not cause harmful interference

II. This device must accept any interference received. Including interference that may cause undesired operation.

Important! Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment. Use an approved phone set.

CE

This equipment is in compliance with the requirements of the following regulations: EN 55 022: CLASS B